NCS2-ITM203

Dual ports 10GBase-T NIC Module with Intel® X540/X550 Ethernet Controller

Intel Ethernet Controller X540/X550 with heatsink

PCIE x8 golden finger

NCS2-ITM203

2 x 10GbE LAN ports
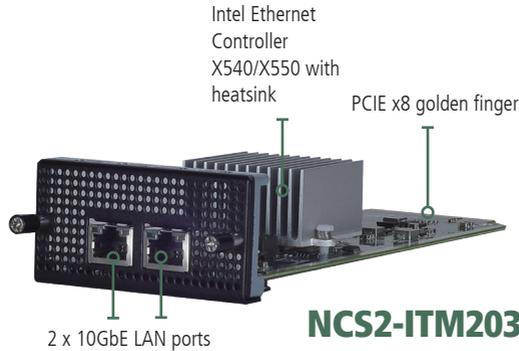
Features

10 Times Faster of High-Performance 10Gigabit Ethernet

The NCS2-ITM203 10GbE NIC module, provides two RJ45 connectors which can connect 10GBase-T copper Ethernet.

Intel® X540/X550 Ethernet Controller

The Intel X540/X550* Ethernet Controller is a Single-Chip Solution with integrated MAC + PHY. Compare to two separate chips, not just reduce cost, also reduce the per-port power consumption. (*X550 is project-based)

Two Copper GbE LAN ports

With this NIC module, customer can expand 2 copper 10GbE LAN ports (using Intel X540-AT2) to work with Cat.6A cabling.

PCI Express™ 2.1 x8

NCS2-ITM203 is with PCI Express 2.1 x8 golden finger, it can be inserted into the PCI-E 2.1 or 3.0 x8 NIC module slot of Lanner network appliances, the performance of PCI-E 2.1 can up to 5.0 GT/s bit rate.

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LAN Bypass Technology

Bypass ports allow uninterrupted network traffic even if a single in-line appliance is shut down or hangs. Lanner's engineers have improved on standard bypass functionality to provide higher reliability and greater control. Each pair of Generation 3 bypass ports can be programmed to turn on and off. They also allow data packet through when the appliance is powering on and off.

Dimensions 194 x 75 mm
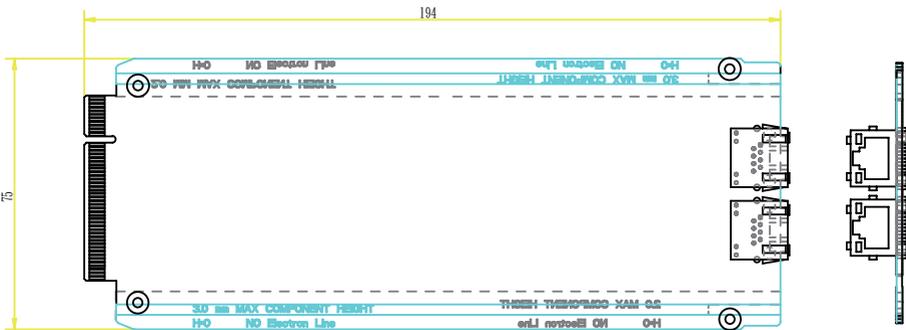
Preliminary Specifications

PCB		NCS-ITM203
Chipset		Intel X540-AT2 (X550 is project-based)
Interface		1x PCI-E 2.1 x8 Golden Finger
Connector		2 x RJ45 10G ports
Switch		N/A
Temperature	Operating	0 ~ 40°C
	Storage	-10~70°C
Cooling		Locking mechanism type heatsink
Humidity		5%~90% RH, Non-condensing
Physical Dimemsions		PCB: 194 x 75 mm
PCB Layer		8 Layers

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Ordering Information

NCS2-ITM203A	2 10GbE LAN ports NIC module with Intel X540-AT2 with 1 pairs LAN Bypass
NCS2-ITM203B	2 10GbE LAN ports NIC module with Intel X540-AT2 without LAN Bypass

Compatible Lanner FW Network Appliances

Slim Module	FW-8877	FW-8771	FW-8895
NCS-ITM203	NCS2-ITM203A, NCS2-ITM203B	NCS2-ITM203A, NCS2-ITM203B	NCS2-ITM203A, NCS2-ITM203B